

FIG. 1B
PRIOR ART

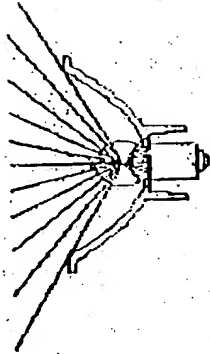
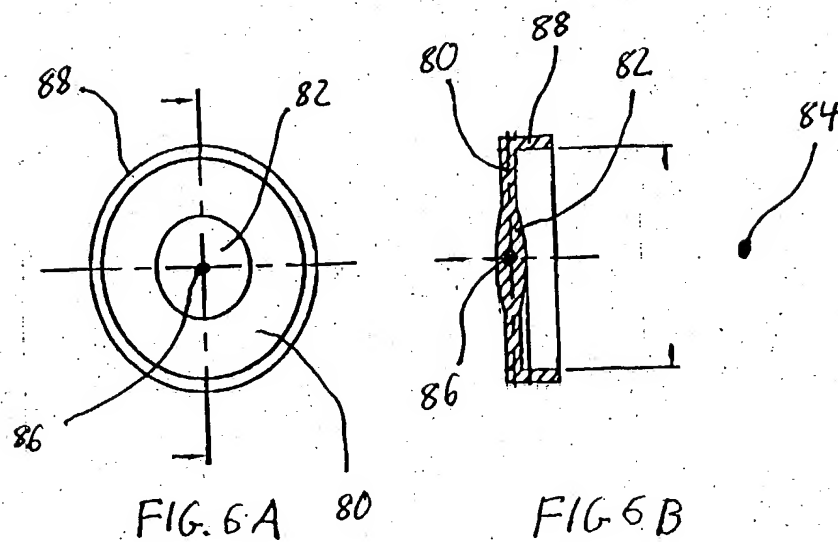
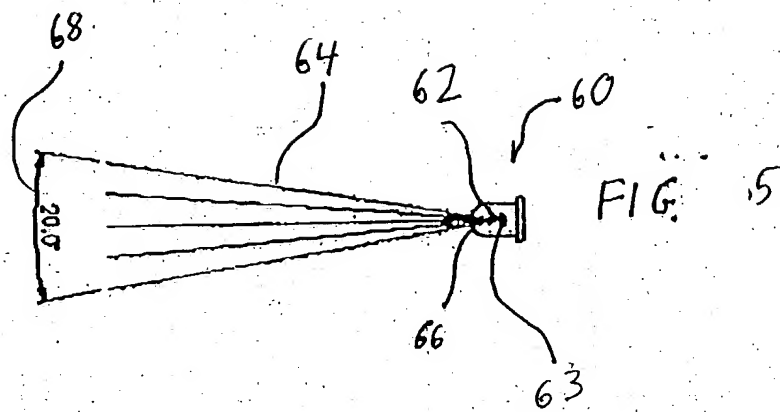
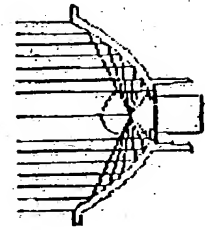


FIG. 1A
PRIOR ART



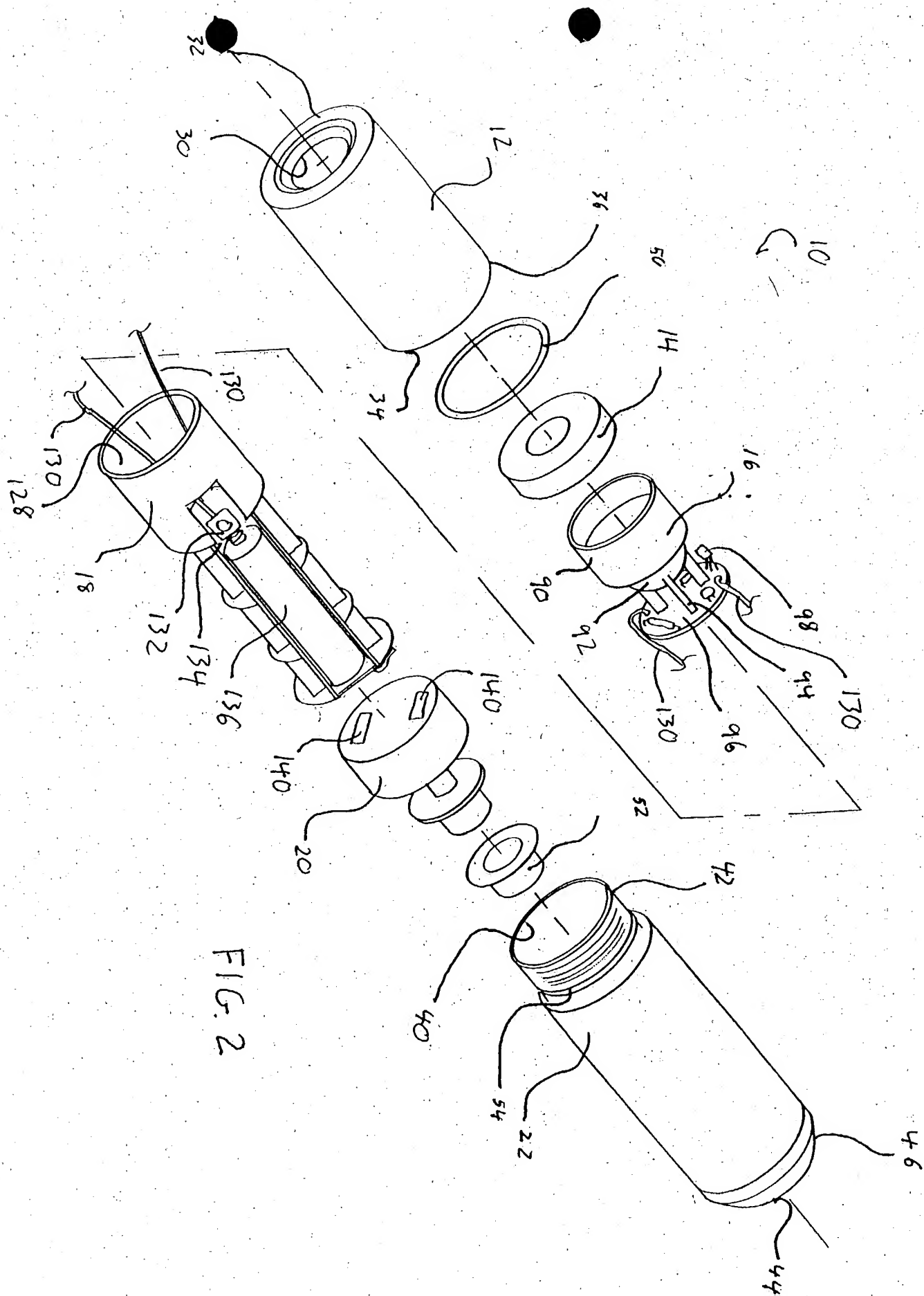
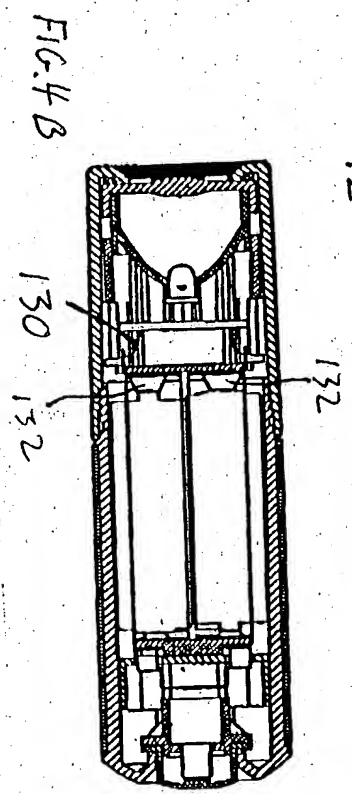
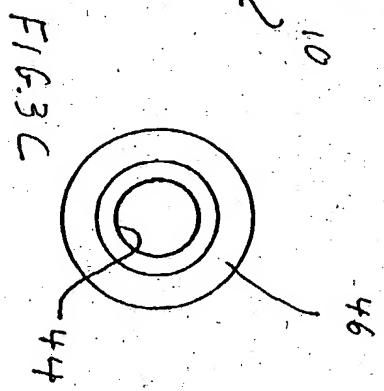
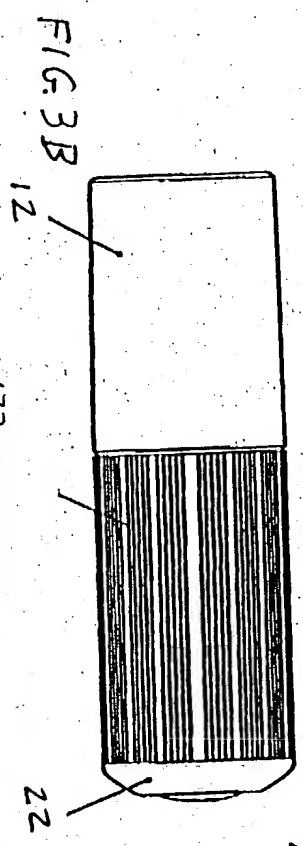
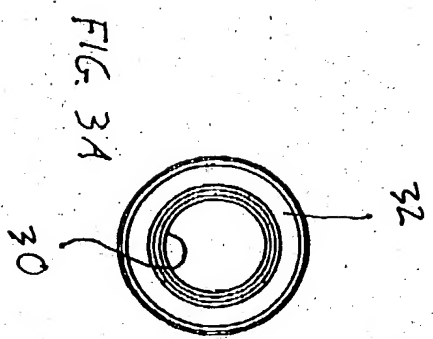
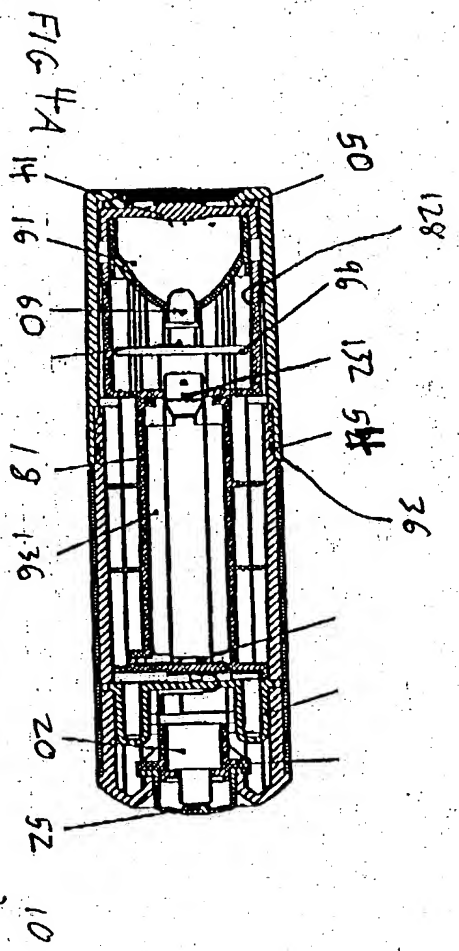


FIG. 2



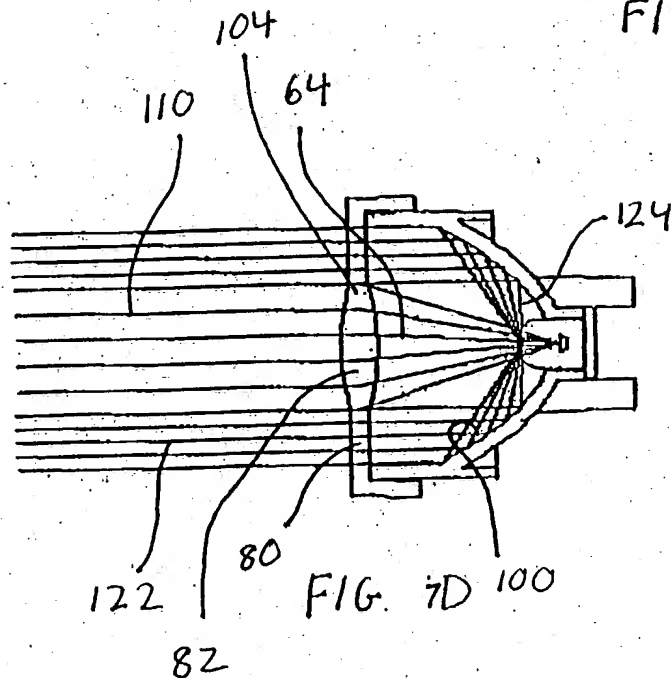
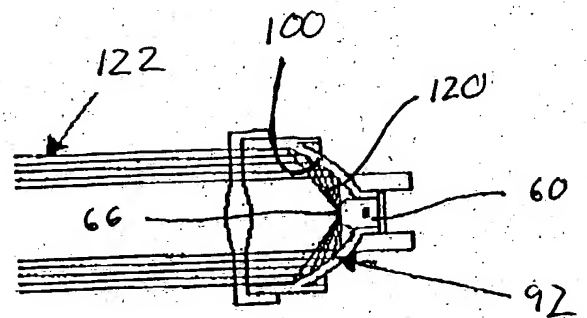
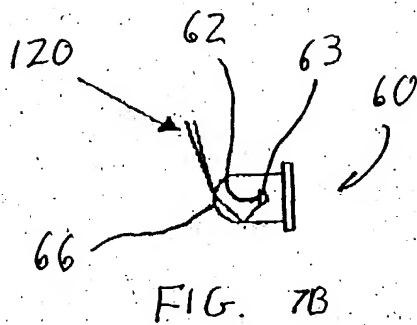
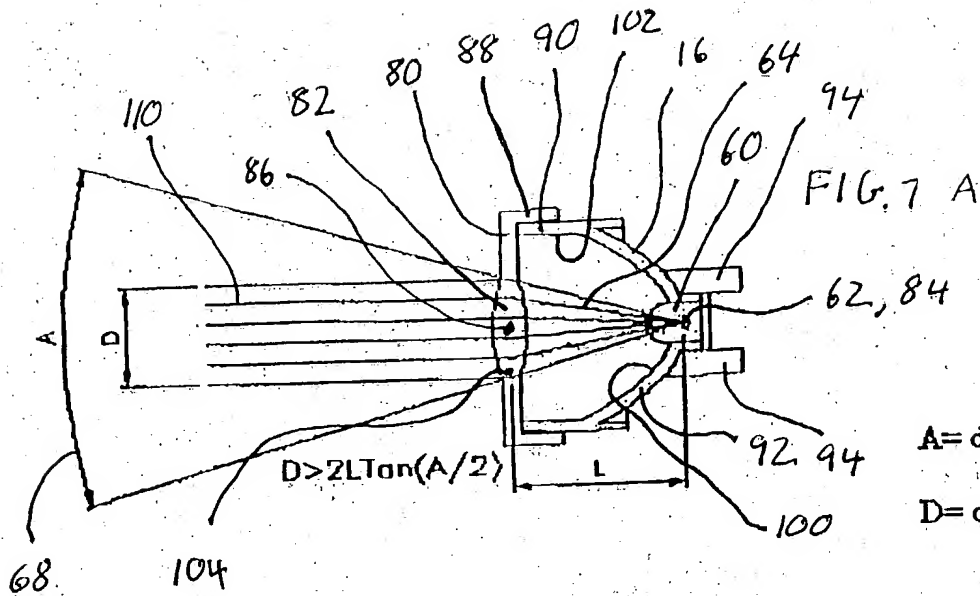


FIG. 8

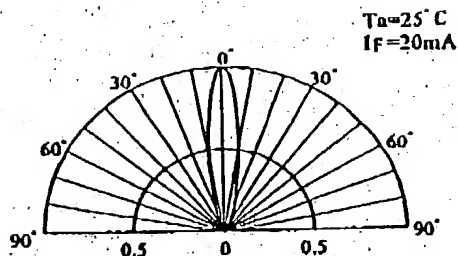
■ Characteristics

- High Power LEDs
- Half Angle ($2\theta_{1/2}$) : 20°
- Superior Weather-resistance
- UV Resistant Epoxy

■ Applications

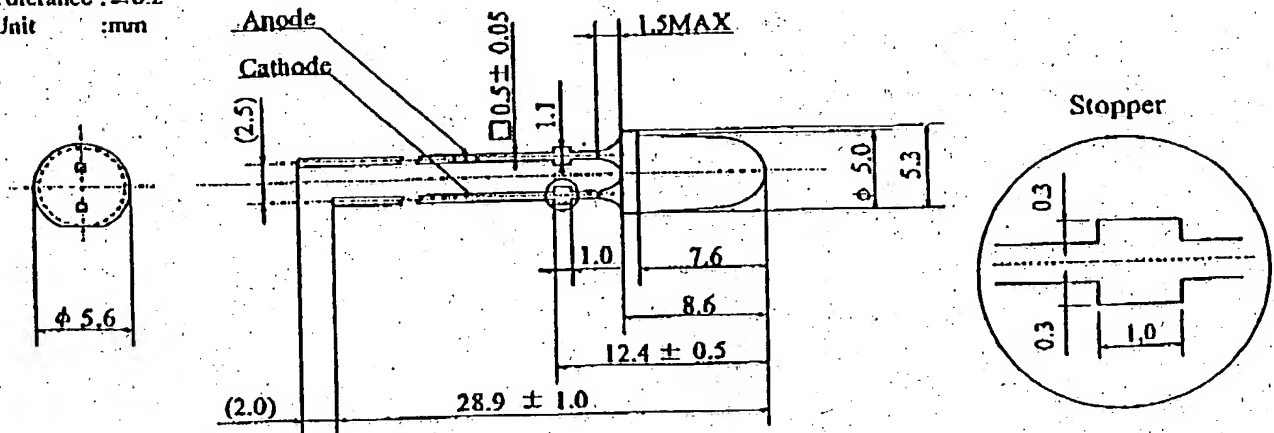
- Advertising Signs
- Indicators
- LCD Back Lights
- Illuminations

■ Directivity



■ Outline Dimension

Tolerance : ± 0.2
Unit : mm



■ Absolute Maximum Rating

($T_a = 25^\circ\text{C}$)

Item	Symbol	Absolute Maximum Rating	Unit
DC Forward Current	I_F	30	mA
Pulse Forward Current ※	I_{FP}	100	mA
Reverse Voltage	V_R	5	V
Power Dissipation	P_D	120	mW
Operating Temperature	T_{opr}	$-30 \sim +85$	$^\circ\text{C}$
Storage Temperature	T_{stg}	$-40 \sim +100$	$^\circ\text{C}$

※ Pulse width Max. 10ms Duty ratio Max. 1/10

■ Electrical · Optical Characteristics

($T_a = 25^\circ\text{C}$)

Item	Symbol	Condition	Min.	Typ.	Max.	Unit
DC Forward Voltage	V_F	$I_F = 20\text{mA}$	-	3.6	4.0	V
DC Reverse Current	I_R	$V_R = 5\text{V}$	-	-	50	μA
Luminous Intensity	I_v	$I_F = 20\text{mA}$	-	5.60	-	cd
Chromaticity Coordinate ※	x	$I_F = 20\text{mA}$	-	0.31	-	-
Chromaticity Coordinate ※	y	$I_F = 20\text{mA}$	-	0.32	-	-

※ Please refer to CIE 1931 chromaticity diagram.